

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F17/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/06433 A (WALDRON CHRISTINA B ; WEINTRAUB MICHAEL D (US); NAT DATA CORP (US); HI) 25 January 2001 (2001-01-25) page 1, line 20 - line 25 page 2, line 2 - line 19 page 6, line 8 - line 11 page 7, line 14 - line 16 page 10, line 9 - line 15 page 12, line 13 - line 30 page 14, line 3 - line 25 page 16, line 12 - page 17, line 6	1-4, 14-17, 27,28
Y	page 17, line 3 - line 6 ----- -/--	5-13, 18-26



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the International filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the International search

20 January 2005

Date of mailing of the International search report

03/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Cankaya, S

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/042846 A1 (OBRADOR GABRIEL DARIO ET AL) 11 April 2002 (2002-04-11) paragraphs '0008!', '0009! paragraphs '0010! - '0012! paragraph '0020! paragraphs '0106!, '0107! paragraphs '0158!, '0159! -----	1-4, 14-17, 27,28
Y	US 5 535 120 A (CHONG LEIGHTON K ET AL) 9 July 1996 (1996-07-09) column 4, line 17 - line 30 column 6, line 33 - line 47 column 8, line 28 - line 55 column 10, line 1 - line 8 column 12, line 45 - line 52 -----	5-10, 18-23
Y	US 6 272 482 B1 (EHNEBUSKE DAVID LARS ET AL) 7 August 2001 (2001-08-07) column 1, line 37 - line 52 column 4, line 24 - column 5, line 15 -----	11-13, 24-26
A	US 2003/146926 A1 (VALDES WESLEY) 7 August 2003 (2003-08-07) paragraph '0035! - paragraph '0038! paragraph '0054! figures 1,4 -----	5-7, 18-20
A	US 2003/158848 A1 (FINNEY RANDOLPH L) 21 August 2003 (2003-08-21) paragraphs '0005!, '0008! paragraph '0020! -----	11-13, 24-26

INTERNATIONAL SEARCH REPORT

PCT/GB2004/004282

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0106433	A	25-01-2001	AU 6101400 A WO 0106433 A1	05-02-2001 25-01-2001
US 2002042846	A1	11-04-2002	NONE	
US 5535120	A	09-07-1996	US 5497319 A US 5175684 A AT 164244 T DE 69129107 D1 DE 69129107 T2 EP 0519049 A1 ES 2116332 T3 JP 6508941 T JP 2003030186 A WO 9212494 A1	05-03-1996 29-12-1992 15-04-1998 23-04-1998 22-10-1998 23-12-1992 16-07-1998 06-10-1994 31-01-2003 23-07-1992
US 6272482	B1	07-08-2001	NONE	
US 2003146926	A1	07-08-2003	WO 03062958 A2	31-07-2003
US 2003158848	A1	21-08-2003	WO 03071445 A1	28-08-2003